

**METHODS, SYSTEMS AND PRODUCTS FOR DETERMINING
DRUG WITHDRAWAL INTERVALS**

Abstract

A first aspect of the invention is a method of estimating a withdrawal interval for
5 an adjusted dose of a compound from a prior withdrawal time for a corresponding prior
dose of that compound, corresponding half-life data and a tolerance concentration, for a
tissue of interest. The method comprises selecting an adjusted dose for the compound for
which a withdrawal interval is to be determined, and extrapolating a withdrawal interval
from (a) the prior dose, (b) the prior withdrawal time, (c) the half-life data, and (d) the
10 tolerance concentration. The process is useful for determining a withdrawal interval for
an extralabel (i.e., non-approved) use of a drug in the same or a different jurisdiction for
which a previous use has been approved, and can be used to determine an appropriate
withdrawal interval for a drug in food products exported from one jurisdiction to another.
Data processing systems and computer program products for carrying out the foregoing
15 are also disclosed.

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